

Converting Colors

CIELCh(34, 48.624, 282.718)

Have a look what the booklet for
CIELCh(34, 48.624, 282.718)
contains.

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Color

CIELCh(34, 48.753, 282.851)

Conversions

Conversions Part 1

Format	Color
Hex	014F9C
RGB	1, 79, 156
RGB Percent	0%, 31%, 61%
CMY	0.9953, 0.6900, 0.3880
CMYK	0.99, 0.49, 0.00, 0.39
HSL	210°, 98%, 31%
HSV	210°, 99%, 61%
XYZ	8.8192, 8.0082, 32.5568
YIQ	64.4560, -71.2050, 7.4110

Conversions

Conversions Part 2

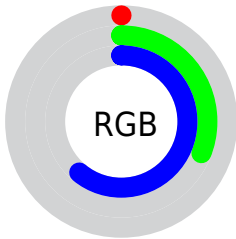
Format	Color
RYB	1, 53, 156
Decimal	85916
CIELab	34.00, 10.84, -47.53
CIELCh	34, 48.753, 282.851
Yxy	8.0082, 0.1786, 0.1622
Android (android.graphics.Color)	4278275996 (0xFF014F9C)
YUV	64.4560, 45.1312, -55.6509
Hunter-Lab	28.2988, 6.1062, -48.4019

Details

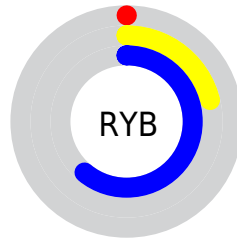
The CIELCh color **34, 48.753, 282.851** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **42, 58.588, 61.038**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 48.937, 283.009**, and **17, 46.818, 293.766** is the 20% darker color. If you saturate the color by 10%, you get **34, 49.141, 283.165**, and if you desaturate by 10%, it is **37, 43.877, 278.505**.

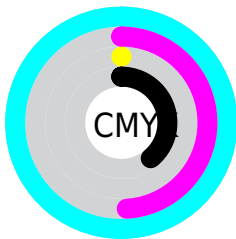
Distribution



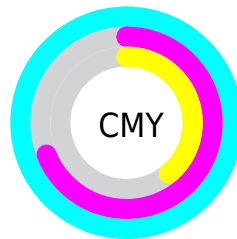
- Red (0%)
- Green (31%)
- Blue (61%)



- Red (0%)
- Yellow (21%)
- Blue (61%)



- Cyan (99%)
- Magenta (49%)
- Yellow (0%)
- Black (39%)





- Cyan (100%)
- Magenta (69%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 48.753, 282.851 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 34, 48.753, 282.851 by changing the saturation by 10% instead.


 34, 48.753,
282.851


 34, 48.753,
282.851

 100, 48.753,
282.851


 24, 48.753,
282.851

 54, 48.753,
282.851


 14, 48.753,
282.851


 64, 48.753,
282.851

 4, 48.753, 282.851

 74, 48.753,
282.851

 0, 48.753, 282.851

 84, 48.753,
282.851

 94, 48.753,
282.851

■ 34, 48.753,
282.851

■ 34, 48.753,
282.851

■ 34, 49.141,
283.165

■ 37, 43.877,
278.505

■ 39, 39.144,
274.255

■ 42, 34.454,
270.400

■ 45, 29.735,
267.014

■ 48, 24.939,
264.103

■ 51, 20.044,
261.634

■ 55, 15.048,
259.554

■ 58, 9.964, 257.807

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



34, 48.753, 282.851



42, 58.588, 61.038

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34, 48.753, 282.851



34, 48.753, 332.851



34, 48.753, 102.851



34, 48.753, 152.851

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



34, 48.753, 282.853



70, 19.195, 259.817



56, 62.042, 148.799



35, 13.028, 260.604



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34, 48.753, 282.853



44, 61.122, 284.134



18, 91.481, 305.958



32, 2.978, 256.360



31, 45.707, 282.784



2, 3.993, 257.899

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



33, 58.696, 0.865



44, 71.624, 2.061



62, 66.166, 101.837



31, 4.308, 344.212



30, 55.160, 0.789



1, 5.477, 344.917

Previews

White Background



This preview shows how the CIELCh color 34, 48.753, 282.851 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 34, 48.753, 282.851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

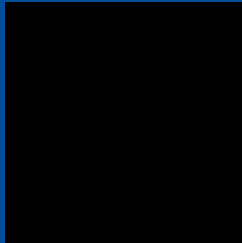
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 34, 48.753, 282.851

Background



This preview shows how black text looks on a background with the CIELCh color 34, 48.753, 282.851.



This preview shows how white text looks on a background with the CIELCh color 34, 48.753, 282.851.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


34, 48.753, 282.851

Protanopia

34, 48.353, 286.801

Deuteranopia

34, 39.723, 274.756



Tritanopia
34, 22.524, 206.348

Trichromacy



Original Color
34, 48.753, 282.851

Protanomaly
34, 48.532, 284.835

Deuteranomaly
34, 43.040, 278.106

Tritanomaly
34, 26.121, 248.861

Monochromacy



Original Color
34, 48.753, 282.851

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 19.739, 265.876

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 48.753, 282.851 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(1, 79, 156)` looks like.

```
.text, #text, p{  
    color:rgb(1, 79, 156)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(1, 79, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 79, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 48.753, 282.851 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(1, 79, 156) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(1, 79, 156) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(1, 79, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 79, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 79, 156);  
box-shadow:4px 4px 4px 4px rgb(1, 79, 156)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 48.753, 282.851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 79, 156) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(1, 79,  
156) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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